

## **Appendix B: Public Participation**

Public participation is a key component to any strategic planning process. It is very important that such broad-reaching plans not be written in isolation. Agency participation offers an opportunity for impacted departments and organizations to provide expertise and insight into the planning process. Citizen participation offers citizens the chance to voice their ideas, interests, and opinions. The Federal Emergency Management Agency also requires public input during the development of mitigation plans.

The Natural Hazards Mitigation Plan integrates a cross-section of public input throughout the planning process. To accomplish this goal, the Natural Hazards Mitigation Committee developed a public participation process through five components: (1) developing an Mitigation Committee comprised of knowledgeable individuals representative of several City departments and outside agencies; (2) distributing and analyzing a questionnaire to verify the primary concerns of citizens and business owners as relates to natural hazards; (3) soliciting the assistance of local media representatives and community newsletters to announce the progress of the planning activities and to announce the availability of the Draft Natural Hazards Mitigation Plan; (4) creating opportunities for the citizens and public agencies to review the Draft Natural Hazards Mitigation Plan; (5) conducting a public meeting at the City Council where the public had an opportunity to express their views concerning the Draft Natural Hazards Mitigation Plan.

Integrating public participation during the development of the Natural Hazards Mitigation Plan has ultimately resulted in increased public awareness. Through public involvement, the mitigation plan reflects community issues, concerns, and new ideas and perspectives on mitigation opportunities and plan action items.

### **Natural Hazards Mitigation Committee**

Hazard mitigation in the City of Long Beach has been overseen by the Mitigation Committee, which consisted of representatives from various City departments and outside agencies. The members have an understanding of how the community is structured and how residents, businesses, and the environment may be affected by natural hazard events. The Mitigation Committee guided the development of the Plan, and assisted in developing plan goals and action items, identifying stakeholders and plan reviewers, and sharing local expertise to create a more comprehensive plan.

## **Summary of Activities**

**January 9, 2004** - Casey Chel, Disaster Manager LBFD sends a brief to Fire Chief Terry Harbour outline DMA 2000.

**January 12, 2004** - Fire Chief Terry Harbour contact Deputy City Manger Reginald Harrison and advises him of the DMA 2000 requirements and recommends that the City send representatives to the January 15th DMA 2000 Workshop.

**January 15, 2004** - The City of Long Beach sends three representatives to the workshop: Jeri Snow, Disaster Management; Tom Modica, City Manager's Office; and a representative of Community Development.

**January 22, 2004** - Deputy City Manger Harrison assigns Fire Chief as chairman of DMA 2000 project.

**January 28, 2004** - Fire Chief Terry Harbour attends 4 hour DMA 2000 presentation in San Marino.

**February 2, 2004** - The Fire Chief meets with the City Manager, defines plan, magnitude of project and November 1, 2004 deadline.

**February 11, 2004** - The Fire Chief and Casey Chel (Disaster Management) meet with all City Department Heads to explain project, timeline and criticality of project.

**March 22, 2004** - Captain Brandt, LBFD appointed as City of Long Beach Natural Hazard Coordinator and the process of forming a team and gathering information begins.

**April 1, 2004** - Requests sent to all City Departments & Outside Agencies for participation on the Natural Hazard Mitigation Committee.

**April 26, 2004** - Kick-off meeting for Natural Hazard Mitigation Committee - Introduction of members present, overview of project & timeline, requests for city documents and needs for the project.

**June 1, 2004** - 2nd meeting of Committee - gathering of requested documents, status of council resolution(June 15th, 2004), status of questionnaire on city website, status of questionnaires at high traffic areas(police community centers, libraries, senior centers).

**June 28, 2004** - 3rd meeting of the Committee - gathering of required documents, Council resolution passed June 15, 2004, questionnaires continue to come in, website updated and refreshed, status of consultant contract - EPC.

## **Facilitations by Emergency Planning Consultants**

### **Meeting #1: Pre-Training July 26, 2004**

The meeting was held at the Long Beach Emergency Communication and Operations Center. Emergency Planning Consultants (EPC) delivered pre-training to the Natural Hazard Mitigation Advisory Committee. The pre-training consisted of the history of the Disaster Mitigation Act of 2000, the purpose and role of hazard mitigation, and the planning process. The Pre-Training lasted approximately 1 hour.

### **Meeting #2: Kick-Off Meeting July 26, 2004**

EPC facilitated a workshop where participants had an opportunity to learn about various natural hazards, assess and rank the local threats, examine hazard maps, and complete the FEMA Worksheets contained in FEMA 386-2 Understanding Your Risks. Part of the discussion included a presentation by EPC of historical disaster events across the country. Those slides served as a backdrop for discussing potential mitigation activities.

There was an extensive discussion on various methods of engaging the public in the mitigation process. The Mitigation Committee prepared a draft media release and discussed a public opinion survey that the Mitigation Committee had already distributed to City staff. EPC committed to revising the media release. The Kick-Off Meeting lasted approximately 4 hours.

### **Meeting #3 Pre-Training: Mitigation August 30, 2004**

The meeting was held at Long Beach Emergency Operations Center. EPC delivered pre-training to the Mitigation Committee. The pre-training consisted of the concepts and issues related to developing mitigation actions. The pre-training lasted approximately 1 hour.

### **Meeting #4 Mitigation Actions August 30, 2004**

EPC delivered the Draft Hazard Analysis and the Mitigation Committee discussed missing information, data, and maps. EPC distributed copies of the Mitigation Actions Planning Tools to assist the Team in developing Goals and Action Items appropriate to their natural hazards. The Planning Tools provided a process for collecting the mitigation actions presently in practice in the City of Long Beach, as well as identifying future mitigation actions.

A brainstorming process was conducted to develop the goals for the Plan. The Mitigation Committee agreed on goals for the Mitigation Plan. Throughout the planning process and workshops, the City's consultant reminded the Planning Team of the importance of considering benefit/cost issues. Following a discussion of alternative ranking techniques, the Mitigation Committee agreed to cluster the rankings of the Mitigation Actions by type of actions as follows: #1 Multi-Hazard, #2 Earthquake, #3 Flooding, #4 Earth Movement, #5 Windstorm, and #6 Tsunami.

The next task was to examine a FEMA-approved Mitigation Plan to get an idea of how mitigation actions are written. Each of the jurisdictions was pleased to announce the broad range of mitigation actions already being practiced. The Planning Tools, developed by EPC, consisted of nearly 300 mitigation actions gathered from dozens of Mitigation Plans across the country.

The Mitigation Committee broke into pairs to develop mitigation actions, utilizing the sample plans and Planning Tools list. Because of the plan samples and Tools, the process of identifying appropriate mitigations actions was accomplished in a very efficient manner.

### **Public Meetings**

City of Long Beach conducted one public meeting where the Draft Natural Hazards Mitigation Plan was presented and discussed. The City Council (October 19, 2004) was particularly impressed with the range of mitigation actions already in practice throughout the City. The City Council was very supportive of the overall goal established by the Mitigation Committee to become a Disaster Resistant Community. The results of the questionnaire were discussed and the City Council commended the Mitigation Committee for its expeditious efforts to satisfy the DMA 2000 requirements.

### **Invitation Process**

The Mitigation Committee identified possible public notice sources. A press release was submitted to the local daily and weekly print media. The local community access cable television channel also carried the meeting announcement. A notice was also placed in the quarterly city newsletter that is mailed to all residents.

### **Results of Public Meetings**

The Mitigation Committee Chair was prepared to present an overview of the planning process and mitigation actions. However, the Council was pleased with the Plan and the Mayor asked for a motion for adoption of the Plan. The meeting was broadcast live on cable television and will be looped for approximately one month.

The City Council was unanimous in their adoption of the City of Long Beach Natural Hazards Mitigation Plan on October 19, 2004.

Attachments:        Questionnaire Results  
                             Media Releases  
                             Hazard and Vulnerability Assessment Tool – Memorial  
                             Health Services

## Appendix B – Attachment 1 City Council Resolutions

### Directing Preparation of Mitigation Plan

RESOLUTION NO. C-28386

A RESOLUTION OF THE CITY COUNCIL OF THE  
CITY OF LONG BEACH IN SUPPORT OF DEVELOPMENT  
OF A NATURAL HAZARD MITIGATION PLAN IN  
ACCORDANCE WITH THE FEDERAL DISASTER  
MITIGATION ACT OF 2000 (PUBLIC LAW 106-390)

WHEREAS, in the Fall of 2003, Southern California experienced the most  
costly fire in the State's history, burning over 3,500 homes and over 750,000 acres of  
wildland, resulting in damage from which it will take communities years to recover; and

WHEREAS, in December 2003, a large 6.5 magnitude earthquake  
devastated Paso Robles, California, in the Central Coast region, and had this event  
occurred in an urbanized area such as Long Beach, California, it would have resulted in  
significant loss of life and billions of dollars in damages; and

WHEREAS, disaster resiliency, the ability to "bounce back" quickly from  
an extreme natural event (such as earthquake, flood or winds) without permanent,  
intolerable damage or disruption of natural, economic, social or structural systems and  
without massive amount of outside assistance, is more often being included as another  
component of community sustainability; and

WHEREAS, sustainability emphasizes planning as a primary approach to  
involve local citizens, obtain broad input, and develop real goals and action plans on  
how to mitigate against damage caused by the natural hazards facing every California  
community; and

WHEREAS, there are actions that can be undertaken to address hazards,  
no matter how large or small, that can support disaster resiliency and sustainability in

Robert E. Shannon  
City Attorney of Long Beach  
333 West Ocean Boulevard  
Long Beach, California 90802-4664  
Telephone (562) 570-2200

1 NOW, THEREFORE, the City Council of the City of Long Beach resolves  
2 as follows:

3 Section 1. That the City Council of the City of Long Beach does hereby  
4 authorize and support the development of a Natural Hazard Mitigation Plan,  
5 establishing goals and objectives to ensure the health, safety and welfare of its citizens,  
6 even in the event of a natural disaster.

7 Sec. 2. That the Natural Hazard Mitigation Plan shall be a collection of  
8 analyses, policies, and actions on how the community will grow and change in the  
9 future and will serve as a blueprint for how it can achieve sustainability and disaster  
10 resiliency.

11 The plan will be the result of a process involving city departments, local  
12 agencies, business people, landowners, developers, and citizens and will reflect local  
13 values and concerns.

14 Sec. 3. That the Natural Hazard Mitigation Plan shall meet the program  
15 criteria of the Stafford Act as amended (Disaster Mitigation Act of 2000) in order that  
16 the City of Long Beach will be eligible for future pre-disaster and post-disaster  
17 mitigation program funds to ensure the health, safety and welfare of its citizens.

18 Sec. 4. This resolution shall take effect immediately upon its adoption by  
19 the City Council, and the City Clerk shall certify to the vote adopting this resolution.  
20

21 I hereby certify that the foregoing resolution was adopted by the City  
22 Council of the City of Long Beach at its meeting of June 15, 2004,

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28 /

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1 by the following vote:

2  
3 Ayes: Councilmembers: Lowenthal, Baker, Colonna, Kell,  
4 Richardson, Reyes Uranga, Lerch.

5  
6  
7 Noes: Councilmembers: None.

8  
9 Absent: Councilmembers: Carroll, Webb.

10  
11  
12   
13 City Clerk

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# City Council Adoption Resolution

RESOLUTION NO. C-28469

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF LONG BEACH TO ADOPT THE NATURAL HAZARD MITIGATION PLAN IN ACCORDANCE WITH THE FEDERAL DISASTER MITIGATION ACT OF 2000 (PUBLIC LAW 106-390)

WHEREAS, the Disaster Management Act of 2000, which amended the Robert T. Stafford Disaster Relief and Emergency Services Act, requires every local, county and state government to submit a Natural Hazard Mitigation Plan to the Federal Emergency Management Agency by November 1, 2004 in order to be eligible for pre- and post-disaster grants and funding; and

WHEREAS, disaster resiliency, the ability to "bounce back" quickly from an extreme natural event (such as earthquake, flood or winds) without permanent, intolerable damage or disruption of natural, economic, social or structural systems and without massive amounts of outside assistance, is more often being included as another component of community sustainability; and

WHEREAS, sustainability emphasizes planning as a primary approach to involve local citizens, obtain broad input, and develop real goals and action plans on how to mitigate against damage caused by the natural hazards facing every California community; and

WHEREAS, there are actions that can be undertaken to address hazards, no matter how large or small, that can support disaster resiliency and sustainability in our community; and

WHEREAS, the City of Long Beach's Plan focuses on potential impacts of earthquake, flood, earth movement, windstorm and tsunami, and includes an assessment of these natural hazards, a plan to mitigate them, and methods of monitoring, evaluating, and updating the Plan.

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City Attorney of Long Beach  
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Long Beach, California 90802-4664  
Telephone (562) 570-2200

1 NOW, THEREFORE, the City Council of the City of Long Beach resolves  
2 as follows:

3 Section 1. That the City Council of the City of Long Beach does hereby  
4 authorize and support the adoption of the Natural Hazard Mitigation Plan, establishing  
5 goals and objectives to ensure the health, safety and welfare of its citizens in the event  
6 of a natural disaster.

7  
8 Sec. 2. That the City Manager will be granted the authority to amend and  
9 update the plan annually and submit an updated Plan every five years to the City  
10 Council for its review, prior to submission to the Federal Emergency Management  
11 Agency.

12  
13 Sec. 3. This resolution shall take effect immediately upon its adoption by  
14 the City Council, and the City Clerk shall certify to the vote adopting this resolution.

15 I hereby certify that the foregoing resolution was adopted by the City  
16 Council of the City of Long Beach at its meeting of October 19, 2004,  
17 by the following vote:

18 Ayes: Councilmembers: Colonna, O'Donnell, Kell, Richardson,  
19 Reyes Uranga, Gabelich, Lerch.

20  
21  
22 Noes: Councilmembers: None.

23  
24 Absent: Councilmembers: Lowenthal, Baker.

25  
26 CERTIFIED AS A TRUE AND CORRECT COPY

27 Lang G. Hansen  
CITY CLERK OF THE CITY OF LONG BEACH  
28 DATE: OCT 20 2004

Lang G. Hansen  
City Clerk

## **Appendix B-Attachment 2 Questionnaire Results**

The City of Long Beach distributed a questionnaire to the City's employees and residents through the various departments. The questionnaire asked participants a wide range of questions. Although all of the data gathered will be utilized in future public awareness campaigns and other outreach activities, the following table summarized the "concerns" expressed about the following natural hazards: earthquakes, flooding, earth movement, windstorms, and tsunamis. A total of approximately 700 employees and residents participated in the questionnaire, yielding the following results:

	<b>Very Concerned</b>	<b>Moderately Concerned</b>	<b>Somewhat Concerned</b>	<b>Not Concerned</b>
<b>Earthquake</b>	274	161	47	20
<b>Flooding</b>	63	105	125	174
<b>Earth Movement</b>	18	36	73	335
<b>Windstorm</b>	48	86	143	80
<b>Tsunami</b>	36	42	88	297

## Appendix B-Attachment 3 Media Releases

Press-Telegram September 11, 2004

# L.B. readies emergency plan

By Tracy Manzer  
Staff writer

Long Beach may not flood as often as a Mississippi river town, and it certainly is lucky not to be hammered by hurricanes and tornadoes like the South and Midwest.

Nonetheless, planning for natural disasters remains crucial and city is asking for the public's two cents.

The new Natural Hazards Mitigation Plan identifies key areas that could be affected by a number of natural disasters, including earthquakes, floods, tsunamis, wind storms and landslides, and what can be done in advance to either avoid the problem, or reduce threats, said Richard Brandt, the city's hazard mitigation coordinator and a Long Beach Fire Department captain.

The plan — required by the Federal Emergency Management Agency — was created with the help of several city departments and spearheaded by the Long Beach Fire Department. All munic-

ipal entities and special school districts were told to create a plan by Nov. 1, Brandt said.

Agencies that do not comply will not qualify for FEMA disaster funds, Brandt said.

"FEMA would rather give pre-disaster funds than post-disaster funds because in the long run it would be more cost-effective," Brandt said.

For example, if the city has 10 buildings that need to be retrofitted in case of an earthquake, it can note those structures in the plans and qualify for federal funds to complete the retrofit work before disaster strikes. Such federally funded work includes the retrofit job being done on the Long Beach Fire Station No. 1 and Long Beach Police Department Headquarters.

This does not mean, however, that in the event of a disaster, the city would not qualify for further assistance, Brandt said.

"What's happened in the past, on the East Coast now with the hurricanes and in Mississippi where people keep building houses in

floodplains, the river rises and wipes out that town," Brandt said. "FEMA then goes in and rebuilds the town, and the next year they go through it all over again. They would rather give that town the money now to move houses from the floodplains onto the high plains. They're starting to force these cities not to build on floodplains, not to build right on the oceanfront or on an urban interface."

On Tuesday, the Long Beach plan will be available for public review at all city libraries and the City Clerk's Office at City Hall, 333 W. Ocean Blvd and online at [www.longbeach.gov](http://www.longbeach.gov). Users can click on the Fire Department link and then click on the disaster management link.

Residents and business owners are encouraged to send in comments over the following two weeks. Public feedback will be included in the document and presented to the City Council for adoption in early October, Brandt said.

For information, call Brandt at (562) 571-2547.

# Appendix B – Attachment 4

## Hazard and Vulnerability Assessment Tool

### Memorial Health Services

#### HAZARD AND VULNERABILITY ASSESSMENT TOOL

##### NATURALLY OCCURRING EVENTS

EVENT	PROBABILITY	SEVERITY = (MAGNITUDE - MITIGATION)						RISK
	Likelihood this will occur	HUMAN IMPACT	PROPERTY IMPACT	BUSINESS IMPACT	PREPARED-NESS	INTERNAL RESPONSE	EXTERNAL RESPONSE	Relative threat*
	0 = N/A 1 = Low 2 = Moderate 3 = High	0 = N/A 1 = Low 2 = Moderate 3 = High	0 = N/A 1 = Low 2 = Moderate 3 = High	0 = N/A 1 = Low 2 = Moderate 3 = High	0 = N/A 1 = High 2 = Moderate 3 = Low or none	0 = N/A 1 = High 2 = Moderate 3 = Low or none	0 = N/A 1 = High 2 = Moderate 3 = Low or none	0 - 100%
Hurricane	0	0	0	0	0	0	0	0%
Tornado	0	0	0	0	0	0	0	0%
Severe Thunderstorm	1	1	2	1	3	3	3	24%
Snow Fall	0	0	0	0	0	0	0	0%
Blizzard	0	0	0	0	0	0	0	0%
Ice Storm	0	0	0	0	0	0	0	0%
Earthquake	3	3	3	3	2	2	2	83%
Tidal Wave	1	1	1	1	0	0	0	6%
Temperature Extremes	2	2	2	2	1	1	1	33%
Drought	1	1	1	1	3	3	3	22%
Flood, External	2	2	2	2	1	3	3	48%
Wild Fire	1	1	1	1	0	3	0	11%
Landslide	0	0	0	0	0	0	0	0%
Dam Inundation	0	0	0	0	0	0	0	0%
Volcano	0	0	0	0	0	0	0	0%
Epidemic	2	2	1	1	1	1	1	26%
AVERAGE SCORE	0.81	0.81	0.81	0.75	0.69	1.00	0.81	7%

\* Threat increases with percentage.

RISK = PROBABILITY * SEVERITY		
0.07	0.27	0.27

## Appendix B – Attachment 5

### List of Plan Reviewers:

Orange County Fire Authority 1 Fire Authority Road Irvine, CA 92602	Long Beach Unified School District Emergency Preparedness Supervisor Cathy Coy 5250 Los Coyotes Diagonal Long Beach, CA 90815-1925
Aquarium of the Pacific Safety Supervisor Matt Ankley 100 Aquarium Way Long Beach, CA 90802	City of Signal Hill Signal Hill Police Department Sgt. Peterson 2175 Cherry Avenue Signal Hill, CA 90755
City of Seal Beach Director of Public Works 211 8 <sup>th</sup> Street Seal Beach, CA 90740	City of Los Alamitos Emergency Preparedness 3201 Katella Avenue Los Alamitos, CA 90720
City of Lakewood Emergency Preparedness 5050 Clark Avenue Lakewood, CA 90712	City of Compton 205 South Willowbrook Ave. Compton, CA 90220
City of Bellflower Public Safety Department 16600 Civic Center Drive Bellflower, CA 90706	City of Carson Hazard Mitigation Attn: Eileen Edgerton 701 East Carson Street Carson, CA 90745
City of Los Angeles Emergency Preparedness Department 200 N. Spring Street Room 1533 Los Angeles, CA 90012	Los Angeles County Hazard Mitigation 1275 N. Eastern Avenue Los Angeles, CA 90053
City of Hawaiian Gardens 21815 Pioneer Blvd. Hawaiian Gardens, CA 90716	City of Paramount Assistant Director Christopher S. Cash Public Works Department 16400 Colorado Avenue Paramount, CA 90723
City of Huntington Beach Emergency Services Coordinator Gloria Morrison 2000 Main Street Huntington Beach, CA 92647	Long Beach Area Chamber of Commerce Randy Gordon, President 1 World Trade Center, Suite 206 Long Beach, CA 90831

Image Cat, Inc. Attn: Charles Huyat 400 Oceangate Ste. 1050 Long Beach, CA 90802	El Dorado Realty, Inc. Attn: Ron Beeler 3810 Orange Avenue Long Beach, CA 90807
Jeffery Reardon Consulting Geologist 8136 Foxhall Drive Huntington Beach, CA 92646	Phil Watts Applied Fluids Engineering 5710 East 7 <sup>th</sup> Street Long Beach, 90803
Area DMAC Coordinator Brenda Hunemiller - Area D Office of Disaster Management 724 North Alameda Avenue Azusa, CA 91702	Area DMAC Coordinator Fan Abel – Area E Office of Emergency Planning 13700 LaMirada Blvd. LaMirada, CA 90638
Area DMAC Coordinator Mike Martinet – Area G Emergency Management Office 320 Knob Hill Redondo Beach, CA 90277	
Long Beach Fire Department Deputy Chief Patalano Operations	Long Beach Fire Department Deputy Chief Wilson Support
Long Beach Fire Department Deputy Chief Giles Fire Prevention	Long Beach Fire Department Annete Hough Administration Officer